

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. (Original) A method of configuring a communication link interface, the method comprising:

setting a transmit width of a transmit portion of the link interface based on a usable transmit width; and

setting a receive width of a receive portion of the link interface based on a usable receive width.

2. (Original) The method as in claim 1, wherein the usable transmit width is the lesser of a maximum transmit width of the transmit portion of the link interface and a maximum receive width of a receive portion of another communication link interface.

3. (Original) The method as in claim 1 wherein the usable transmit width is received from an external source.

4. (Original) The method as in claim 1, wherein the usable receive width is the lesser of a maximum receive width of the receive portion of the link interface and a maximum transmit width of a transmit portion of another communication link interface.

5. (Original) The method as in claim 1, further comprising:

providing a maximum transmit width for use in determining the received usable transmit width; and

providing a maximum receive width for use in determining the received usable receive width.

6. (Original) The method as in claim 1, further comprising:

providing a maximum transmit width for use in determining a usable receive width of another communication link interface; and

providing a maximum receive width for use in determining a usable transmit width of another communication link interface.

7. (Original) The method as in claim 1, further comprising:
setting the transmit width to a default value prior to determining the usable transmit width; and
setting the receive width to a default value prior to receiving the usable receive width.

8. (Original) A communication link interface comprising:
a transmit controller to transmit data over a transmit portion of the link interface, wherein a width of data transmitted is set according to a value held in a programmable transmit width register; and
a receive controller to receive data over a receive portion of the link interface, wherein a width of data received is set according to a value held in a programmable receive width register.

9. (Currently Amended) The communication link interface as in claim 8, wherein:
the value held in the programmable transmit width register is programmable to hold a value indicating indicates a usable transmit width; and
the value held in the programmable receive width register is programmable to hold a value indicating indicates a usable receive width.

10. (Original) The communication link interface as in claim 9, wherein the usable transmit width is the lesser of a maximum transmit width of the transmit portion of the link interface and a maximum receive width of a receive portion of another communication link interface.

11. (Original) The communication link interface as in claim 9, wherein the usable receive width is the lesser of a maximum receive width of the receive portion of the link interface and a maximum transmit width of a transmit portion of another communication link interface.

12. (Original) The communication link interface as in claim 8, further comprising:
a maximum transmit width register indicating a physical width of the transmit portion of
the link interface; and
a maximum receive width register indicating a physical width of the receive portion of
the link interface.

13. (Original) A communication link interface comprising:
means for setting a transmit width of a transmit portion of the link interface based on a
usable transmit width; and
means for setting a receive width of a receive portion of the link interface based on a
usable receive width.

14. (Original) The communication link interface as in claim 13, wherein the usable
transmit width is the lesser of a maximum transmit width of the transmit portion of the link
interface and a maximum receive width of a receive portion of another communication link
interface.

15. (Original) The communication link interface as in claim 13, wherein the usable
receive width is the lesser of a maximum receive width of the receive portion of the link
interface and a maximum transmit width of a transmit portion of another communication link
interface.

16. (Original) The communication link interface as in claim 13, further comprising:
means for providing a maximum transmit width for use in determining the usable
transmit width; and
means for providing a maximum receive width for use in determining the usable
receive width.

17. (Currently Amended) The ~~method~~ communication link interface as in claim 13,
further comprising:

means for providing a maximum transmit width for use in determining a usable receive
width of another communication link interface; and

means for providing a maximum receive width for use in determining a usable transmit width of another communication link interface.

18. (New) The method as in claim 1, wherein the transmit and receive widths are separately specified.
19. (New) The interface as in claim 8, wherein the width of the data transmitted and the width of the data received are separately specified.
20. (New) The interface as in claim 13, wherein the transmit and receive widths are separately specified.